

Q1. Top 10 batsmen based on past 3 years total runs scored.

```
SELECT batsmanName as "Batsman", sum(runs) as "Total Run Scored" FROM fact_bating_summary  
group by batsmanName  
order by sum(runs) desc  
limit 10;
```

Batsman	Total Run Scored
ShubmanGill	1851
FafduPlessis	1831
RuturajGaikwad	1593
KLRahul	1516
JosButtler	1509
ShikharDhawan	1392
ViratKohli	1385
SanjuSamson	1304
SuryakumarYadav	1225
GlennMaxwell	1214

Q2. Top 10 batsmen based on past 3 years batting average. (min 60 balls faced in each season)

```
with batsman_detail as (  
select m.match_id, m.matchDate, bt.batsmanName, bt.outnot_out, bt.runs, bt.balls from  
dim_match_summary as m  
join fact_bating_summary as bt  
on m.match_id = bt.match_id  
,  
min_balls as (  
select batsmanName from (  
select batsmanName, sum(if(year(matchDate)='2021',balls,0)) as ball_faced1,  
sum(if(year(matchDate)='2022',balls,0)) as ball_faced2, sum(if(year(matchDate)='2023',balls,0)) as  
ball_faced3  
from batsman_detail  
group by batsmanName) as sq1  
where ball_faced1 >=60 and ball_faced2 >=60 and ball_faced3 >=60
```

)

```
select batsmanName, round(sum(runs) / count(if(outnot_out='out', 1, null)),2) as batting_average from
batsman_detail
```

```
where batsmanName in (select batsmanName from min_balls)
```

```
group by batsmanName
```

```
order by batting_average desc
```

```
limit 10;
```

batsmanName	batting_average
KLRahul	50.53
FafduPlessis	43.60
DavidMiller	43.20
JosButtler	41.92
ShimronHetmyer	40.67
ShubmanGill	40.24
ShikharDhawan	39.77
RuturajGaikwad	37.93
DavidWarner	37.90
SuryakumarYadav	35.00

Q3. Top 10 batsmen based on past 3 years strike rate (min 60 balls faced in each

season)

```
with batsman_detail as (
```

```
select m.match_id, m.matchDate, bt.batsmanName, bt.outnot_out, bt.runs, bt.balls from
dim_match_summary as m
```

```
join fact_bating_summary as bt
```

```
on m.match_id = bt.match_id
```

```
),
```

```
min_balls as (
```

```
select batsmanName from (
```

```
select batsmanName, sum(if(year(matchDate)='2021',balls,0)) as ball_faced1,
```

```
sum(if(year(matchDate)='2022',balls,0)) as ball_faced2, sum(if(year(matchDate)='2023',balls,0)) as
ball_faced3
```

```
from batsman_detail
```

```
group by batsmanName) as sq1
```

```
where ball_faced1 >=60 and ball_faced2 >=60 and ball_faced3 >=60
```

```
)
```

```
select batsmanName, sum(runs) * 100 / sum(balls) as Strike_Rate from batsman_detail
```

```
where batsmanName in (select batsmanName from min_balls)
```

```
group by batsmanName
```

```
order by Strike_Rate desc
```

```
limit 10;
```

batsmanName	Strike_Rate
GlennMaxwell	161.4362
SuryakumarYadav	160.5505
AndreRussell	159.1880
ShimronHetmyer	157.2744
NicholasPooran	157.1121
PrithviShaw	153.1955
DineshKarthik	152.6432
YashasviJaiswal	152.1505
JosButtler	146.9328
ShivamDube	145.9502

Q4. Top 10 bowlers based on past 3 years total wickets taken.

```
select bowlerName, sum(wickets) as "Total Wicket Taken" from fact_bowling_summary
```

```
group by bowlerName
```

```
order by sum(wickets) desc
```

```
limit 10;
```

bowlerName	Total Wicket Taken
MohammedShami	67
YuzvendraChahal	66
HarshalPatel	65
RashidKhan	63
AveshKhan	47
KagisoRabada	45
ArshdeepSingh	45
VarunChakravarthy	44
ShardulThakur	43
TrentBoult	42

Q5. Top 10 bowlers based on past 3 years bowling average. (min 60 balls bowled in each season)

with total_balls as (

```
SELECT m.match_id, m.matchDate, bo.bowlerName, bo.overs, bo.runs, bo.wickets, FLOOR(overs) *6 +  
ROUND((overs - FLOOR(overs)) * 10) AS ball_part
```

```
FROM fact_bowling_summary as bo
```

```
join dim_match_summary as m on m.match_id = bo.match_id
```

```
),
```

min_balls as (

```
select bowlerName from (
```

```
select bowlerName, sum(if(year(matchDate)='2021', ball_part, 0)) as ball2021,  
sum(if(year(matchDate)='2022', ball_part, 0)) as ball2022,
```

```
sum(if(year(matchDate)='2023', ball_part, 0)) as ball2023 from total_balls
```

```
group by bowlerName) as sq1
```

```
where ball2021 >= 60 and ball2022 >= 60 and ball2023 >= 60
```

```
)
```

```
select bowlerName, sum(runs) / sum(wickets) as bowling_average from total_balls
```

```
where bowlerName in (select bowlername from min_balls)
```

```
group by bowlerName
```

```
order by bowling_average asc
```

```
limit 10;
```

with total_balls as (

```
SELECT m.match_id, m.matchDate, bo.bowlerName, bo.overs, bo.runs, bo.wickets, FLOOR(overs) *6 +  
ROUND((overs - FLOOR(overs)) * 10) AS ball_part
```

```
FROM fact_bowling_summary as bo
```

```
join dim_match_summary as m on m.match_id = bo.match_id
```

```
),
```

min_balls as (

```
select bowlerName from (
```

```

select bowlerName, sum(if(year(matchDate)='2021', ball_part, 0)) as ball2021,
sum(if(year(matchDate)='2022', ball_part, 0)) as ball2022,
sum(if(year(matchDate)='2023', ball_part, 0)) as ball2023 from total_balls
group by bowlerName) as sq1
where ball2021 >= 60 and ball2022 >= 60 and ball2023 >= 60
)

select bowlerName, sum(runs) / sum(wickets) as bowling_average from total_balls
where bowlerName in (select bowlername from min_balls)
group by bowlerName
order by bowling_average asc
limit 10;

```

bowlerName	bowling_average
AndreRussell	18.2286
YuzvendraChahal	20.1970
HarshalPatel	20.3538
RashidKhan	20.9048
MohammedShami	20.9701
AveshKhan	23.7234
KagisoRabada	23.7556
MoeenAli	23.8571
AnrichNortje	24.7742
UmraniMalik	26.1034

Q6. Top 10 bowlers based on past 3 years economy rate. (min 60 balls bowled in each season)

```

with total_balls as (
SELECT m.match_id, m.matchDate, bo.bowlerName, bo.overs, bo.runs, bo.wickets, FLOOR(overs) *6 +
ROUND((overs - FLOOR(overs)) * 10) AS ball_part,
FLOOR(overs) + ROUND((overs - FLOOR(overs)) * 10) / 6 as over_bowled
FROM fact_bowling_summary as bo
join dim_match_summary as m on m.match_id = bo.match_id
),
min_balls as (

```

```

select bowlerName from (
select bowlerName, sum(if(year(matchDate)='2021', ball_part, 0)) as ball2021,
sum(if(year(matchDate)='2022', ball_part, 0)) as ball2022,
sum(if(year(matchDate)='2023', ball_part, 0)) as ball2023 from total_balls
group by bowlerName) as sq1
where ball2021 >= 60 and ball2022 >= 60 and ball2023 >= 60
)
select bowlerName, round(sum(runs) / sum(over_bowled),2) as Economy_Rate from total_balls
where bowlerName in (select bowlername from min_balls)
group by bowlerName
order by Economy_Rate asc
limit 10;

```

bowlerName	Economy_Rate
SunilNarine	6.60
MoeenAli	7.04
AxarPatel	7.11
RashidKhan	7.20
KrunalPandya	7.45
RavindraJadeja	7.46
RavichandranAshwin	7.50
VarunChakravarthy	7.57
HarpreetBrar	7.60
RahulChahar	7.63

Q7. Top 5 batsmen based on past 3 years boundary % (fours and sixes) (min 60 balls bowled in each season).

```

with batsman_detail as (
select m.match_id, m.matchDate, bt.batsmanName, bt.balls, bt.runs, bt.fours * 4 + bt.sixs * 6 as
boundry_score from dim_match_summary as m
join fact_bating_summary as bt
on m.match_id = bt.match_id
),
min_balls as (
select batsmanName from (

```

```

select batsmanName, sum(if(year(matchDate)='2021',balls,0)) as ball_faced1,
sum(if(year(matchDate)='2022',balls,0)) as ball_faced2, sum(if(year(matchDate)='2023',balls,0)) as
ball_faced3
from batsman_detail
group by batsmanName) as sq1
where ball_faced1 >=60 and ball_faced2 >=60 and ball_faced3 >=60
)

```

```

select batsmanName, round(sum(boundary_score) * 100 / sum(runs),2) as Boundary_perct from
batsman_detail
where batsmanName in (select batsmanName from min_balls)
group by batsmanName
order by Boundary_perct desc
limit 5;

```

batsmanName	Boundary_perct
AndreRussell	75.70
YashasviJaiswal	74.56
PrithviShaw	70.67
JosButtler	68.92
GlennMaxwell	68.70

Q8. Top 5 bowlers based on past 3 years dot ball % (min 60 balls bowled in each season).

```

with total_balls as (
SELECT m.match_id, m.matchDate, bo.bowlerName, bo.overs, FLOOR(overs) *6 + ROUND((overs -
FLOOR(overs)) * 10) AS ball_part, bo.zeros
FROM fact_bowling_summary as bo
join dim_match_summary as m on m.match_id = bo.match_id
),
min_balls as (
select bowlerName from (

```

```

select bowlerName, sum(if(year(matchDate)='2021', ball_part, 0)) as ball2021,
sum(if(year(matchDate)='2022', ball_part, 0)) as ball2022,
sum(if(year(matchDate)='2023', ball_part, 0)) as ball2023 from total_balls
group by bowlerName) as sq1
where ball2021 >= 60 and ball2022 >= 60 and ball2023 >= 60
)

select bowlerName, round(sum(zeros) * 100 / sum(ball_part),2) as Dot_ball_perct from total_balls
where bowlerName in (select bowlername from min_balls)
group by bowlerName
order by Dot_ball_perct desc
limit 5;

```

bowlerName	Dot_ball_perct
MohammedSiraj	47.71
MohammedShami	47.57
TrentBoult	46.37
UmransMalik	44.15
KhaleelAhmed	43.61

Q9. Top 4 teams based on past 3 years winning %

```

with all_team as (
select team, count(*) as matches from (SELECT team1 as team FROM dim_match_summary
union all
select team2 as team from dim_match_summary) as sq1
group by team
),
win_team as (
select winner, count(*) as win from dim_match_summary
group by winner
)

select atm.team, round(wt.win * 100 / atm.matches,2) as Winning_perct from all_team as atm

```



```
join win_team as wt on atm.team = wt.winner
```

```
order by Winning_perct desc
```

```
limit 4;
```

team	Winning_perct
Titans	69.70
Super Giants	58.62
Super Kings	55.56
RCB	55.56

Q10. Top 5 teams with the highest number of wins achieved by chasing targets over the past 3 years.

```
SELECT winner, count(*) as Total_Wins FROM sports.dim_match_summary
```

```
where team2 = winner
```

```
group by winner
```

```
order by Total_Wins desc
```

```
limit 5;
```

winner	Total_Wins
Capitals	14
KKR	14
Titans	14
Mumbai	13
Super Kings	11